

**To:** Bahrman, Sarah[Bahrman.Sarah@epa.gov]  
**From:** Ken Bousfield  
**Sent:** Fri 8/7/2015 7:30:20 PM  
**Subject:** Fwd: San Juan River mine waste contamination & Mexican Hat wells  
[DWSP plan pg 41-45.pdf](#)  
[Mexican Hat wells.pdf](#)

Sarah, Attached is one of several e-mails I am forwarding to you as updates.  
Ken B

----- Forwarded message -----

**From:** **Kate Johnson** <[katej@utah.gov](mailto:katej@utah.gov)>  
**Date:** Fri, Aug 7, 2015 at 1:24 PM  
**Subject:** Re: San Juan River mine waste contamination & Mexican Hat wells  
**To:** Ying-Ying Macauley <[ymacauley@utah.gov](mailto:ymacauley@utah.gov)>  
**Cc:** Kim Shelley <[kshelley@utah.gov](mailto:kshelley@utah.gov)>, Erica Gaddis <[egaddis@utah.gov](mailto:egaddis@utah.gov)>, David Ariotti <[dariotti@utah.gov](mailto:dariotti@utah.gov)>, EQDWMANAG <[EQDWMANAG@utah.gov](mailto:EQDWMANAG@utah.gov)>, Rachael Cassady <[rcassady@utah.gov](mailto:rcassady@utah.gov)>, Mark Jensen <[mjensen@utah.gov](mailto:mjensen@utah.gov)>, Walter Baker <[wbaker@utah.gov](mailto:wbaker@utah.gov)>, [rmeyer@sanjuancounty.org](mailto:rmeyer@sanjuancounty.org)

Attached is an air photo image of the wells, and pages from the DWSP plan describing the wells and existing water quality issues. The wells appear to be grouted to only 30 feet, and the description says they are partly completed in the river alluvium.

*Emails to and from this email address may be considered public records and thus subject to Utah GRAMA requirements.*

*Please note our online tools: The Interactive Map at <http://enviro.deq.utah.gov/> (request a login through the "Sign In" link on the map page) and the Easy Records Search at <http://eqedocs.utah.gov/>, where you can browse and download many Division documents.*

Kate Johnson, M.S., P.G.

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On Fri, Aug 7, 2015 at 10:51 AM, Ying-Ying Macauley <[ymacauley@utah.gov](mailto:ymacauley@utah.gov)> wrote:

<http://www.sltrib.com/news/2812762-155/blm-warns-utahns-to-avoid-san>

Kim Shelley of DWQ asked me this morning whether we know of any drinking water intakes along San Juan River. Below is the summary of what I found so far.

- There are 3 surface water treatment plants (WTPs) in San Juan County: Blanding WTP (source water from Blue Mountains), Monticello WTP (source water form from Blue Mountains), and **Mexican Hat WTP (source water from two wells near San Juan River)**.
- I am not certain whether the hydrogeological gradient in the area of the Mexican Hat wells goes from the land toward the river, or these wells are more of infiltration gallery type and may be susceptible to river water influence. Due to the proximity of the Mexican Hat wells to the San Juan River, if these wells are downstream of the mine waste affected area, it's best to closely monitor the water quality of these wells and watch for changes.
- Enclosed is the master report of Mexican Hat water system based on the information in our database.
- In DDW's database, the current contact for Mexican Hat water system is Bruce Adams (or Danny Fleming) (business [435-587-3225](tel:435-587-3225)).
- David Ariotti (cell [Personal Phone/Ex. 6](tel:Personal Phone/Ex. 6)) is the DEQ District Engineer most familiar with the water systems in San Juan County. David may have more understanding of the Mexican Hat wells.

*Ying-Ying*

Ying-Ying Macauley, P.E., M.S.  
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